

E-DIFFSYSTEM

THE PERFECT DIE CUT



TECNO CUT
TECHNOLOGY FOR THE LABEL INDUSTRY



DEVELOPED BY OWN R&D

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PRODUCT DESCRIPTION

The E-DIFFSYSTEM allows an electronic variable adjustment with micrometric precision (± 0.001 mm) between the anvil roll and the magnetic cylinder.

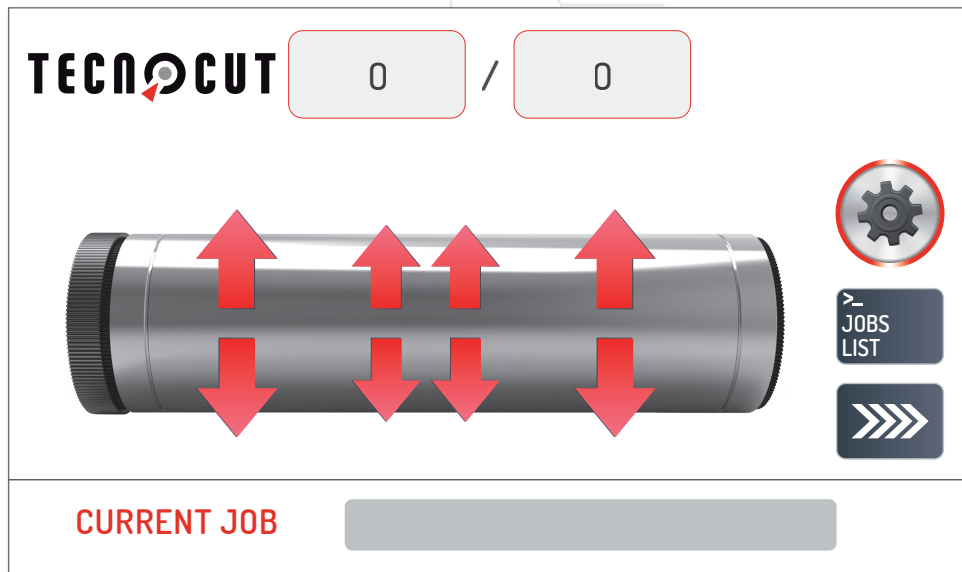
Used as a substitute to the anvil cylinder in the die-cutting station, this product allows the same cutter to run on backing materials with different thicknesses (glassine, kraft or synthetic).

It also adjusts the gap (up and down) in order to accommodate a wide range of width materials without changing the cutter. This leads to a very easy and fast installation as it does not require to modify any existing part of the Die Cutting Station. This is also key when it comes to repairs or changes, as it assures a quick change without losing working time.

MAIN DISPLAY SETTINGS

The E-DIFFSYSTEM is designed to control the movement of the anvil roll through an intelligent touch screen. It makes each increase or decrease in cuts micron by micron.

By pressing the rising arrows, the anvil cylinder's body rises and the cut becomes deeper. Also, the body will go down and consequently the cut will become less deep whenever the descending arrows are pressed.



The screen shows the current cutting level in each side at the same time. The number reflects each side movement from point 0.

With a very easy and intuitive software, the operator can easily know the exact position of each side of the E-DIFFSYSTEM cylinder.



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CUTTING MODE

There are two different cutting modes, through a continuous mode or micron by micron. There is an option in the main screen that allows the operator to choose among needs, turning up and down the microns with the cutting mode selected.

Micron by micron mode is ideal for final fits in the cut. On the contrary, the continuous mode it is preferred to be used when the cut is too deep or non-existent, allowing an accelerated change of position.

Continuous mode: by holding the up or down arrow button, the microns movement will react linearly towards time.



Micron by micron mode: by pressing the up or down arrow button, the E-DIFFSYSTEM will automatically vary by one micron from the initial value.



SETTINGS

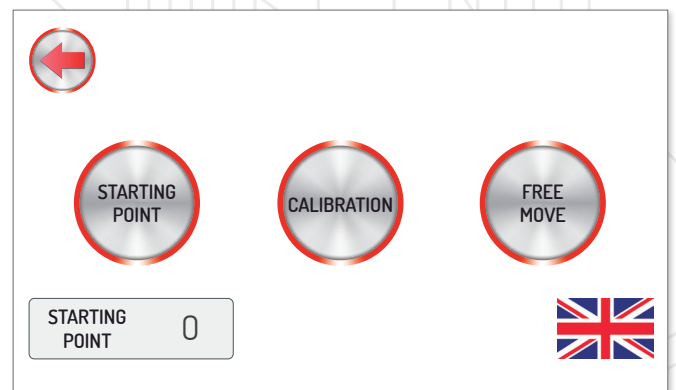
Within the setting screen, the operator will be able to access to the different setting options.

Start button: the E-DIFFSYSTEM will be automatically positioned to the point where you can choose both sides' values. This option is ideal to start new jobs from a reference.

Calibration: In case the E-DIFFSYSTEM is unbalanced or has lost the point 0 reference. It is recommended to make the calibration once per week.

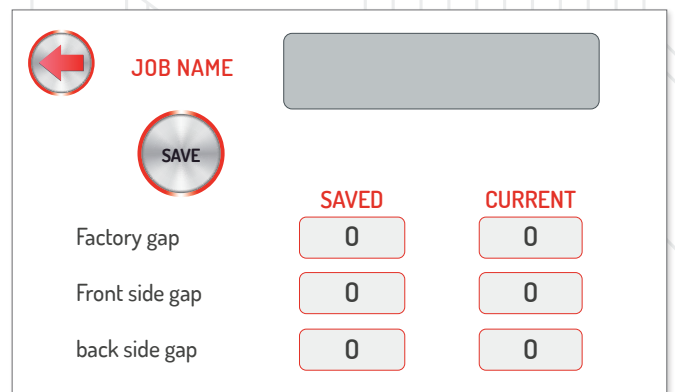
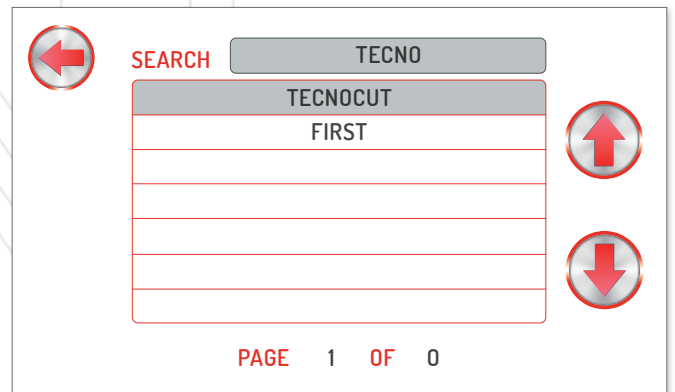
To proceed with the calibration mode, the operator must take out the pressure from the pressure gauges, and remove the flexible die afterwards.

Free move should not be used without the consent of **TECNOCUT**.

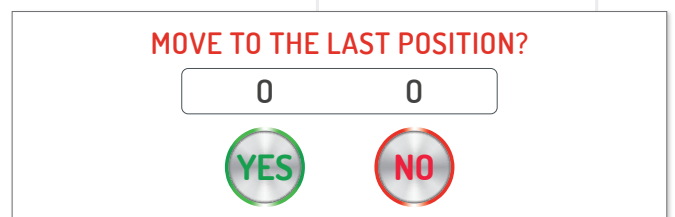


RECIPES SCREEN

The E-DIFFSYSTEM includes a recipe application to store repetitive jobs. The recipes will be introduced by the operator, who will be able to edit details such as: his name, the value of the gap and extra die cutting information.



Automated positioning in both sides to desired values. From the recipes, the E-DIFFSYSTEM is able to position itself in the desired work with the values previously introduced.



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ALARMS

In order to achieve an optimum efficiency, the E-DIFFSYSTEM has lubrication alarms installed that will notify the operator once the lubrication is needed.

The screen box should only be connected whenever you want to use the E-DIFFSYSTEM. In case the screen box creates a space problem or its placing is unfeasible, it may be removed, in order not to modify the E-DIFFSYSTEM values.

Electric requirements to install the E-DIFFSYSTEM are just 24V power supply with 5A.



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